



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

FORM OGC-3

AUG 23 2001

MO Oil & Gas Council

☐ APPLICATION TO DRILL ☐ DEEPEN ☐ PLUG BACK ☐ FOR AN OIL WELL ☐ OR GAS WELL

NAME OF COMPANY OR OPERATOR: Town Oil Co., Inc. DATE: 8-20-01

ADDRESS: 16205 W. 287 St. CITY: Paola STATE: KS ZIP CODE: 66071

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE: Dunmire WELL NUMBER: 4 ELEVATION (GROUND): 940

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINE)

250 FT. FROM (N) SECTION LINE 660 FEET FROM (E) (W) SECTION LINE

WELL LOCATION SECTION: 8 TOWNSHIP: 43N RANGE: 33W COUNTY: Cass

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 250 FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE: 1320 FEET

PROPOSED DEPTH: 280 DRILLING CONTRACTOR, NAME AND ADDRESS: Layne Western ROTARY OR CABLE TOOLS: Rotary APPROX. DATE WORK WILL START: 4-24-78

NUMBER OF ACRES IN LEASE: 950 NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR: 4
NUMBER OF ABANDONED WELLS ON LEASE: None

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?

NAME: ADDRESS: NO. OF WELLS: PRODUCING: INJECTION: INACTIVE: ABANDONED:

STATUS OF BOND: ☐ SINGLE WELL AMOUNT \$: ☒ BLANKET BOND AMOUNT \$ 80,000: ☒ ON FILE: ☐ ATTACHED

REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING ZONE AND EXPECTED NEW PRODUCING ZONE; USE BACK OF FORM IF NEEDED.)

PROPOSED CASING PROGRAM APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST

AMOUNT	SIZE	WT/FT	CEM.	AMOUNT	SIZE	WT/FT	CEM.
30'	7 5/8" surface pipe						
4"	pipe to producing horizon						

I, the undersigned, state that I am the President of the Town Oil Co., Inc (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE DATE

PERMIT NUMBER: 20045
APPROVAL DATE: April 27, 1978
APPROVED BY: ☒ DRILLER'S LOG REQUIRED ☒ E-LOGS REQUIRED IF RUN
☒ CORE ANALYSIS REQUIRED IF RUN ☒ DRILL STEM TEST INFO. REQUIRED IF RUN
☐ SAMPLES REQUIRED
☐ SAMPLES NOT REQUIRED
☐ WATER SAMPLES REQUIRED AT

NOTE THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE.

I of the Company confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE: Lester Toews DATE: 8-20-01

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐NAME OF COMPANY OR OPERATOR Ke-La-Da Enterprises, Inc. DATE 4-24-78Box 197 Archie Missouri 64725
Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease <u>Hall</u>	Well number <u>4</u>	Elevation (ground) <u>940</u>
WELL LOCATION (give footage from section lines) <u>250</u> ft. from (N) (S) sec. line <u>660</u> ft. from (E) (W) sec. line		
WELL LOCATION Section <u>9</u> Township <u>43</u> Range <u>33</u>		County <u>Cass</u>
Nearest distance from proposed location to property or lease line: <u>250</u> feet		Distance from proposed location to nearest drilling, completed or applied - for well on the same lease: <u>1320</u> feet
Proposed depth: <u>280'</u>	Rotary or Cable tools <u>Rotary</u>	Approx. date work will start <u>4-24-78</u>
Number of acres in lease: <u>950</u>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>4</u> Number of abandoned wells on lease: <u>none</u>	
If lease, purchased with one or more wells drilled, from whom purchased: Name _____ Address _____		No. of Wells: producing _____ inactive _____ abandoned _____
Status of Bond Single Well <input type="checkbox"/> Amt. _____ Blanket Bond <input checked="" type="checkbox"/> Amt. <u>10,000</u>		<input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED
Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.		
Proposed casing program: amt. size wt./ft. cem. <u>30'</u> <u>7 5/8" surface pipe</u> <u>4" pipe to producing horizon</u>		Approved casing - To be filled in by State Geologist amt. size wt./ft. cem. <u>OK</u>
I, the undersigned, state that I am the <u>Vice-Pres. Treas.</u> of the <u>Ke-La-Da Enterprises</u> (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge. Signature <u>Therence L. Linfer</u>		

Permit Number: 20045Approval Date: 27 April 78Approved By: WB Horvath

Note: This Permit not transferable to any other person or to any other location.

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401

One will be returned.

☒ SAMPLES REQUIRED☐ SAMPLES NOT REQUIRED

WATER SAMPLES REQUIRED @:

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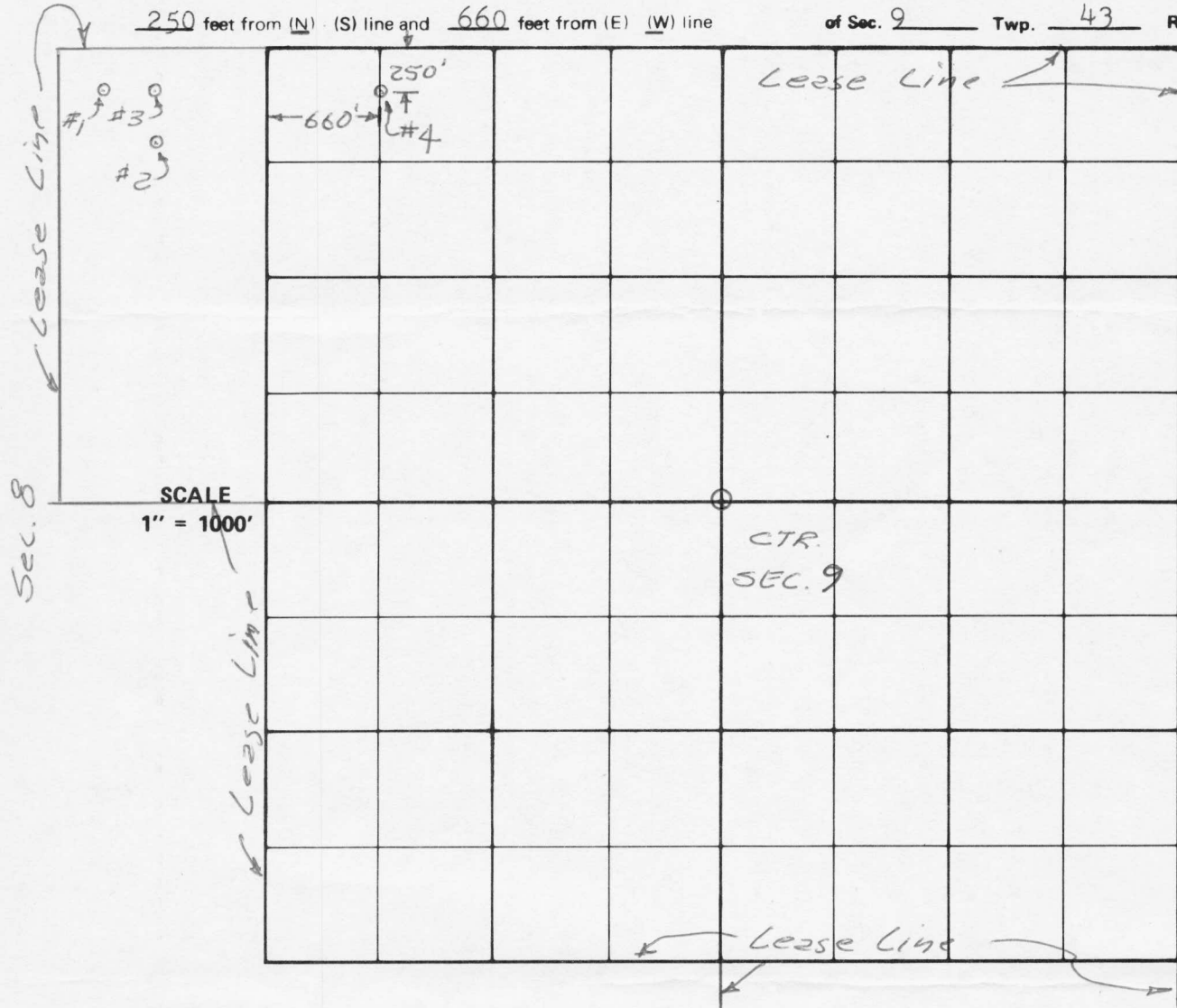
MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

Form OGC - 4

Owner: Ke-La-Da Enterprises, Inc.

Lease Name: Hall County: Cass

250 feet from (N) (S) line and 660 feet from (E) (W) line of Sec. 9 Twp. 43 Range 33



REMARKS: _____

INSTRUCTIONS

On the above plat, show distance of the proposed well from the two nearest lease and section lines, and from the nearest well on the same lease completed in or drilling to the same reservoir. If the location requested is not in conformance with the applicable well-spacing rules, show all off-setting wells to the proposed well. Do not confuse survey lines with lease lines. See rule 7 - 3 (b) for survey requirements.

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Howard L. Sherman
Registered Land Surveyor

MISSOURI OIL AND GAS COUNCIL

Form OGC-5

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well ☒ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☒ Gas ☐ Dry ☐

Owner <i>Phar-Ter-Da Enterprises Inc.</i>		Address <i>Box 197 Archie, Mo. 64725</i>	
Lease Name <i>Hall</i>		Well Number <i>4</i>	<i>9-43-33</i>
Location <i>250 FN - 660 FW Sec Line</i>		Sec. — TWP-Range or Block & Survey	
County <i>Cass</i>	Permit number (OGC3 number) <i>20045</i>		
Date spudded <i>4-23-78</i>	Date total depth reached <i>5-8-78</i>	Date completed, ready to produce <i>6-2-78</i>	Elevation (DF, RKB, RT or Gr.) <i>939</i> feet
Elevation of casing hd. flange <i>940</i> feet			
Total depth <i>261</i>	P. B. T. D.		
Producing interval (s) for this completion <i>231 To 243</i>		Rotary tools used (interval) From <i>0</i> to <i>261</i>	Cable tools used (interval) From _____ to _____
Was this well directionally drilled? <i>No</i>		Was directional survey made? <i>No</i>	Was copy of directional survey filed?
Type of electrical or other logs run (list logs filed with the State Geologist) <i>Gamma Ray Neutron</i>			Date filed

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
<i>Long string 6 1/2</i>		<i>4 1/2 OD</i>	<i>9 1/2</i>	<i>256</i>	<i>30</i>	<i>None</i>

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
<i>2</i> in.	<i>250</i> ft.	<i>none</i> ft.					

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
<i>2</i>	<i>Wireline</i>	<i>231 To 243</i>	<i>150 bbls Fluid</i>	<i>231 To 243</i>
			<i>2,000 #s - 200 # C.S.</i>	

INITIAL PRODUCTION

Date of first production <i>7-14-78</i>		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump): <i>Pumping 1 1/2 hp pump suckerrod</i>					
Date of test <i>7-30-78</i>	Hrs. tested <i>24</i>	Choke size	Oil prod. during test <i>2</i> bbls.	Gas prod. during test <i>Trace</i> MCF	Water prod. during test <i>Trace</i> bbls.	Oil gravity API (Corr.)	
Tubing pressure <i>40 #</i>	Casing pressure <i>40 #</i>	Cal'd rate of production per 24 hrs.	Oil <i>2</i> bbls.	Gas <i>Trace</i> MCF	Water <i>Trace</i> bbls.	Gas-oil ratio	

Disposition of gas (state whether vented, used for fuel or sold):

Method of disposal of mud pit contents:

Pits to be back filled

CERTIFICATE: I, the undersigned, state that I am the *Vic Price* of the *Phar-Ter-Da Enterprises* (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Kenneth L. Price
Signature

DEC 29 1978

MO. OIL & GAS COUNCIL

Remit two copies: one will be returned.

W00028

DATE 4/27/78

COMPANY	Ke-La-Da Ent., Inc.	FARM Hall	WELL NO. 4	Grd ELEV 939	PAGE NO 1
COUNTY Cass	STATE Missouri	LOCATION 9-33N-43W	TYPE SAMPLE Tricone Dry		

DEPTH		Lithology	Description	TR-Trace P-Poor F-Fair G-Good			
From	To			Poro	Fluc	Stain	Odor
0	5		clay, yellow, brn; ls, brown, tan				
5	10		aa				
10	15		ls, grey, tan, foss, dense, NG				
15	20		ls, aa; sh, blk, soft, gummy				
20	25		ls, tan, grey, foss, xln, dead oil st, hard				
25	30		ls, aa				
30	35		ls, aa; sh, blk, hard				
35	40		ls, grey, hard; sh, blk				
40	45		ls, tan, very oolitic, good oomoldic porosity				
45	50		ls, tan, oolitic, good porosity				
50	55		ls, tan, grey, hard, foss, tight				
55	60		ls, aa; sh, grey, blk				
60	65		sh, blk; ls, grey, blk				
65	70		sh, blk, hard, coal like.				
70	75		ls, grey, mottled grn; sh				
75	80		ls, grey, hard; sh, grey				
80	85		sh, grey; ls, tan, grey				
85	90		sh, grey; ls, tan, grey				
90	95		sh, grey, soft, gummy				
95	100		sh, grey, vfg; silt and ss, grey				
100	105		ss, grey, vfg, P&P, very micaceous, NG				
105	110		ss, aa, silt, grey, clay-filled				
110	115		silt, grey, soft				
115	120		silt, grey, aa				
120	125		aa				
125	130		aa, w/ trace sh-tan ls, soft				
130	135		silt, grey, soft; vf sand, grey				
135	140		aa				
140	145		aa				
145	150		aa				
150	155		aa				
155	160		aa				
160	165		aa, w/ hard blk, sh				

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DATE

COMPANY		Ke-La-Da Enterprises		FARM		Hall		WELL NO. 4		Grd ELEV939		PAGE NO 2	
COUNTY		Cass		STATE		Missouri		LOCATION 9-33N-43W		TYPE SAMPLE		Tricone Dry	
DEPTH										TR-Trace		P-Poor	
From: To		Lithology		Description						F-Fair		G-Good	
										Poro		Fluor	
										Stain		Odor	
165 170				sh. grey, hard, silty									
170 175				aa									
175 180				aa									
180 185				sh. grey, hard, silty									
185 190				sh. grey; ls, brn, hard									
190 195				sh. blk, very limy									
195 200				sh. blk, grey, grn; ls, brn, dense									
200 205				sh. grey, hard									
205 210				sh. grey, vf silt									
210 215				aa									
215 220				aa									
220 225				aa									
225 230				aa, some blk sh									
203 235				aa; shale, blk; 236', ss, vfg, good show, good odor									
				Core No. 1 - Cut 6½', Rec'd 6½'									
235 236				ss, vfg-fg, tt, fair show oil									
236 237				ss, fg, good show oil & gas, good odor									
237 238				ss, fg, aa except for 1" stks of wh limy ss at bottom; sm vert frags									
238 239				ss, very limy, bleeding oil in 2" stks; ls nodules									
239 240				ls, very sandy white, thin stks of sh, gry-grn									
240 241½				ls, grey, sh, sandy; some show, some bleeding									
				Core No. 2 - Cut 5', Rec'd 5'									
241½ 242				ss, vfg, fg, good show oil, good odor, calcareous									
242 243				ss, vfg, bleeding oil in ¼" to ½" streaks @ 242.1; 242.3 to 242.4									
				laminated w/ grey grn sh									
243 244				243 to 243.6, laminated sh/ss; 243.6 to 243.65, bleed oil; 243.65									
				to 244, sh/ss laminated									
244 245				ss, sh laminated; NS									
245 246				245 to 245.5, ss, laminate, 2" sh break at 245.5;									
				245.5 to 246, ss/sh laminated									
246 - 247				ss, shale laminated; ss, vfg, gry, hard tite; NS									
				sh, grey, hard									

DEC 20 1978

MO. OIL & GAS COUNCIL

DATE 4/27/78

COMPANY Ke-La-Da Ent., Inc.		FARM Hall	WELL NO. 4	Grd ELEV 939	PAGE NO 3
COUNTY Cass	STATE Mo.	LOCATION 9-33N-43W		TYPE SAMPLE	Tricone Dry

[illegible]

Ke-La-Da Enterprises, Inc.

No. 4 Hall

Well History

250' FNL - 660' FWL
Sec 9-43N-33W
Cass County, Missouri
Elevation: 939 ground

24 April, 1978 RURT. Layne Western Drilling Co., Rig No. 23. Spudded @ 11 AM, April 23, 1978. Drilled 6½" hole to 236' (Driller). Top of Knobtown ss @ 235'. Moved rig off hole.

25 April, 1978 SD. Waiting on rig.

26 April, 1978 Layne on location w/ coring rig # 29 at 11:30 AM. Supposed to be here @ 10 AM. Rigged up to core. Circulated hole clean. Coring at 1:30 P.M. Cut cores 1, 2, 3, 4. TD at 5 P.M. 261'.

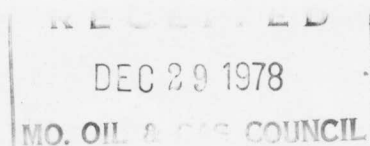
27 April 1978 On location at 9 AM. Pulled 4½" casing. Reamed rat hole from 235' to 256' to 6½". TD at 5 P.M. 256'/6½": 261' TD overall.

28 April 1978 On location at 8 AM. Circulate hole clean. Cemented w/ 30 sax reb. cmt. Good returns. Had trouble getting 4½" last 10'. WOC.

29 April 1978 Drilled cmt.

5 May 1978 Cornish at location 2 P.M. Logged and perforated.

8 May 1978 Layne Western on location @ 11:30 A.M. Rigged up. Ran to TD of 243'. Drilled out sand and cement to a TD of 255' 5". Hit bottom of plug and casing. Finished drilling @ 3:15 P.M. Ran clean H₂O to clean hole. Couldn't bail hole as rig had no small hooks or clamps to change to bail hook. Rig released at 5 PM.



Ke-Le-Da Enterprises, Inc.

No. 4 Hall

Casing Record

Long String Joints

1	21' 2"
2	21' 1 $\frac{1}{2}$ "
3	21' 2"
4	21' 2 $\frac{1}{2}$ "
5	21' 1"
6	21' 0"
7	21' 1 $\frac{1}{2}$ "
8	20' 11 $\frac{1}{2}$ "
9	21' 2 $\frac{1}{2}$ "
10	21' $\frac{1}{2}$ "
11	21' $\frac{1}{2}$ "

Landed at 256' 2", total string. Casing is HD40 9#/ft; 4 $\frac{1}{2}$ " OD, 4.009 ID.

